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ABSTRACT

This report examines the scholastic achievement of 132 students who transferred from Long Beach City College (LBCC) to the University of California (UC) for the 1972-73 school year. Findings show that LBCC transfers to all branches of the university compare favorably with all community college transfers at UC. Statistics also reveal steady improvement in scholastic achievement by LBCC transfers over the past several years with regard to: GPA earned at LBCC prior to enrollment at UC (3.17 vs. 2.85), GPA earned at the university (2.93 vs. 2.46), and an increased percentage of students achieving a "B" average or above (44 percent vs. 26 percent). Generally, statistics related to scholastic performance of LBCC transfers generate a story of successful achievement. Students who initially qualify for UC on graduation from high school but defer enrollment and attend LBCC first are receiving good preparation for university work. Tables and graphs representing the statistical findings are included in the report. (AH)

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LONG BEACH COMMUNITY COLLEGE DISTRICT

LONG BEACH CITY COLLEGE

SCHOLASTIC ACHIEVEMENT OF FORMER L.B.C.C. STUDENTS ENTERING THE UNIVERSITY OF CALIFORNIA DURING THE ACADEMIC YEAR 1972-73

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Institutional Research Office

June, 1974

JC 750 029

Scholastic Achievement of Former L.B.C.C. Students
Entering the University of California
During the Academic Year 1972-73

Background. Annually the University of California Office of Relations With Schools sends to the college a report of scholastic performance of new LBCC transfers attending the University. The report consists of a computer printed summary of grades for former students at each branch campus enrolling one or more LBCC transfers, and some comparative information regarding transfers from all California Community Colleges. It is the intent of this study, to analyze the individual grade reports furnished by the University in an attempt to evaluate the scholastic performance of former LBCC students entering one of eight campuses of the University of California during the 1972-73 school year.

Content and format of the University's report was drastically changed with the inauguration of the "quarter system" in 1966, and a move toward computerized reporting techniques. In the process of developing these techniques, individual campuses of the University devised slightly differing methods of reporting statistical grade information. Some campuses report grade information for fall quarter entrants only; others include transfers entering throughout the year. Variations in grading practices within the university system also complicate any attempt to analyze the performance of former students at the University. The Santa Cruz Campus, for example, evaluates scholastic achievement on a pass/fail basis only. At Berkeley, the level of achievement is more precisely defined with the use of + and - grades, which also enter into

the grade point average calculations. In spite of these discrepencies, the university report presents scholastic information which provides a reasonable insight into the performance of former LBCC students at the University of California.

Procedure. Names of one-hundred and thirty-two (132) transfers to the University of California were included in the 1972-73 progress report to the College. A subsequent search of the LBCC Admissions Office files yielded student folders for almost all of the transfers reported. Only four names were not matched with a corresponding LBCC folder. Having ascertained that each transferee was indeed a former LBCC student, by the existence of a student folder, the research office staff recorded academic achievement information from each folder for comparison with the student's achievement at the University. Using the student's declared major at the University as a guide, or in the absence of this information the prevalent department noted in the student's course listing, grades earned in related course work at LBCC were recorded for comparison with grades earned in major course work completed at the University. If a former student, for example, was listed as an engineering major at the University, all grades earned in mathematics, physical sciences, and engineering courses at LBCC were recorded for comparison with those grades earned at the University in similar course work. Information recorded from the folders, and the statistical data from the University's report have been tabulated and summarized in a series of tables and figures for this report.

Table 1 presents scholastic performance data on 1972-73 LBCC transfers to the University of California by Campus. Figures shown are the number and percent of entrants, the cumulative grade point average earned at LBCC, the grade point average at the University (all courses taken during the three quarters: Fall 1972, Winter 1973, Spring 1973), the differential between grade point average at UC and LBCC, cumulative units earned, percentage earning below a "C" average, and the percentage earning a "B" average or above. These data are grouped according to the transferees eligibility to enter the University on graduation from high school: those eligible for the University at the time of high school graduation, those ineligible at that time, and for both groups combined.

Table 2 depicts the academic achievement of Long Beach City College transfers to the University during 1972-73 in comparison to students from California Community Colleges in general.

Table 3 summarizes information similar to that shown in Table 1 over a nine year period. As a word of caution, it should be noted at this point, prior to 1966-67 UC grade point averages were based on first semester performance only. Since 1966, UC grade point averages have been based on all courses taken during any of the three quarters. Figures 1-3 graphically illustrate some of the data summarized in Table 3.

Table 4 presents a detailed tabulation of grades earned by LBCC transfers to the University by instructional area. The figures are tabulated according to UC departmental course identifiers, but displayed in an

LBCC divisional organization. Table 5 indicates by rank order, the grade point averages earned in instructional areas enrolling a minimum of 30 LBCC transfers.

Table 6 shows the relationship between grades earned at LBCC and the University in courses defined within the major study area. Since the number within each major is frequently small, the validity of the data at this level is questionable. As a group, however, or at the LBCC division level where some larger groupings are found, the figures achieve some degree of respectability.

Findings. As reported by the University of California, the number of LBCC transfers to the University was 132 for the academic year 1972-73. Of this number, 71, or 54 percent, were eligible to enter the University at graduation from high school, although they did not choose to do so; 26 (20%) were not eligible to enter the University at graduation. The remaining 35 (26%) were probably ineligible also, as they were admitted to the University in 1972-73 by "special action" of the admissions office. Only those transfers charged to Long Beach City College (this excludes those admitted on "special action") enter into the statistical calculations reported by the University. The general observations concerning LBCC transfers to the University of California that follow are based upon the statistical data reported by the University, and summarized by the college research office in a series of tables and figures appended to this report.

- Six of every ten LBCC transfers to the University last year, or 61 percent, enrolled at a branch campus within easy commuting distance to Long Beach, either UCLA or UC Irvine. (Table 1)

- On the average, LBCC transfers entered the University with a grade point average slightly above a "B" (3.17) in 80.3 quarter units of transferable credit (53 semester units), and during the academic year earned nearly a "B" average (2.93) in 36.4 quarter units. (Table 1)

- Among the transfers to UC who were charged to LBCC, four of every ten (44%) earned a "B" average or higher; approximately one in ten (8%) earned a grade average below a "C". (Table 1)

- An analysis of scholastic performance by UC campus suggests that former LBCC students encountered the greatest difficulty (grade-wise) at UC Santa Barbara. Only 18 percent of the transfers earned a "B" grade or higher as compared to 44 percent for all LBCC transfers university-wide. (Table 1)

- On a percentage basis more LBCC transfers attending Berkeley experienced difficulty earning at least a "C" grade. On the other hand, however, one of every two LBCC transfers to UC Berkeley earned a "B" grade or above. (Table 1)

- As a group, the achievement of LBCC transfers to all branches of the University compares favorably with the achievement of all community college transfers at UC: Percent "B" average or above--44% vs. 39%, Percent below "C" --8% vs. 10%, and University GPA--2.93 vs. 2.79, respectively. (Table 2, Figure 3)

- A comparison of LBCC transfers and all community college transfers, who were eligible to enter the University at high school graduation, but did not enter until 1972-73, indicates that LBCC eligible transfers achieved at a significantly higher academic level than their all-community-college counterpart: Percent "B" average or above--53% vs. 43%, Percent below "C" --6% vs. 8%, University GPA--3.05 vs. 2.85, respectively. On the other hand, however, the reverse was true for LBCC ineligible transfers. (Table 2)

- A review of the scholastic performance of LBCC transfers to the University over the past several years suggests that LBCC transfers: have steadily raised the GPA earned at LBCC prior to university enrollment (3.17 vs. 2.85), have gradually increased the GPA earned at the University (2.93 vs. 2.46), have increased the percentage of students achieving a "B" average or above (44% vs. 26%), and have decreased the percentage of transfers earning below "C" (19% vs. 8%). (Table 3, Figures 1, 2)

- Since 1967-68, the differential between the grade point average earned by LBCC transfers at the University and the grade point average that they earned at LBCC has remained fairly stable and within the narrow range of -0.18 and -0.26. (Table 3, Figure 3)

- An analysis of grades earned by LBCC transfers to the University distributed by instructional area, revealed that 1,357 grades were earned by 128 transfers. (Santa Cruz students were not included). Of the 1,357 grades 62 percent were either "A" or "B", only 4 percent were "F", and 4 percent were "D". (Table 4)

- Highest subject-area grade point averages (30 or more grades issued) were earned by LBCC transfers in Fine Arts subjects--Music (3.34), and Art (3.29) topped the list. Lowest subject-area GPA was a respectable 2.49 in mathematics. (Table 5)

- An analysis of the scholastic performance of LBCC transfers to the University, when organized by student major, yields little additional data. Grade point averages are practically identical for the respective cumulative GPA. Although the number of students within each major is too small to yield conclusive evidence, it may be of some interest to note the wide range in GPA differential among major study areas--(+0.10 to -0.87). (Table 6)

Comments and Observations. Statistical data related to scholastic performance of Long Beach City College transfers to the University of California in 1972-73 generate a story of successful achievement. On the basis of grades earned, LBCC transfers to the University, as a group, compare favorably with California Community College UC-transfers in general. Students who choose to defer enrollment in the University to a later date, and pursue their academic goals at LBCC first, may rest assured that they have made a sound decision. As transfer students before have demonstrated, they too will receive the training essential to success at the university level.

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Table 1. Scholastic Performance of Former LBCC Students Entering the University of California By Location, 1972-73.

	Campus	Transfers No.	Transfers %	Grade Point Average LBCC	Grade Point Average UC	Grade Point Average Diff.	Ave. Units* Completed LBCC	Ave. Units* Completed UC	Percent Below "C" UC	Percent "B" or Above UC
ELIGIBLES	Berkeley	10	14%	3.29	3.08	-0.21	91.5	38.1	20%	70%
	Davis	3	4	3.32	3.27	-0.05	71.2	44.7	0	66
	Irvine	20	28	3.17	3.11	-0.06	73.8	37.6	0	50
	Los Angeles	23	33	3.26	3.01	-0.25	83.8	39.0	8	47
	Riverside	3	4	3.49	3.16	-0.33	99.3	43.8	0	66
	San Diego	2	3	3.74	3.29	-0.45	32.7	38.0	0	100
	Santa Barbara	7	10	3.10	2.72	-0.38	64.9	35.9	0	28
	Santa Cruz	3	4	3.64	n/a	n/a	89.3	30.0	n/a	n/a
	Total	71	100%	3.25	3.05	-0.20	78.9	38.2	5	52%
INELIGIBLES	Berkeley	4	15%	2.67	2.41	-0.26	85.1	34.8	25%	0
	Davis	2	8	2.97	2.35	-0.62	88.9	38.5	0	0
	Irvine	8	31	3.02	2.66	-0.36	80.4	26.4	25	25%
	Los Angeles	7	27	3.29	2.94	-0.35	92.7	34.0	0	57
	Riverside	1	4	3.44	2.93	-0.51	40.5	43.0	0	0
	San Diego	0	0	-	-	-	-	-	-	-
	Santa Barbara	4	15	2.61	2.21	-0.40	83.9	37.1	25	0
	Santa Cruz	0	-	-	-	-	-	-	-	-
	Total	26	100%	2.99	2.61	-0.38	84.1	32.9	15%	23%
ALL TRANSFERS	Berkeley	20	15%	3.12	2.90	-0.22	89.7	37.1	21%	50%
	Davis	6	5	3.17	2.93	-0.23	78.3	34.5	0	40
	Irvine	35	27	3.12	2.97	-0.15	75.7	34.4	7	42
	Los Angeles	45	34	3.26	2.99	-0.27	85.9	37.8	6	50
	Riverside	6	5	3.48	3.11	-0.37	84.6	43.6	0	50
	San Diego	2	1	3.74	3.29	-0.45	32.7	38.0	0	100
	Santa Barbara	15	11	3.10	2.72	-0.38	71.8	36.3	9	18
	Santa Cruz	3	2		n/a	n/a	89.3	30.0	n/a	n/a
	Total	132**	100%	3.17	2.93	-0.24	80.3	36.4	8%	44%

*Quarter Units

** Includes those students admitted by "Special action", those students graded exclusively on a pass/fail basi students who withdrew from all their classes, as well as the "eligible" and "ineligible" students shown abc Only the "eligible" and "ineligible" students are included in the scholastic calculations, however.

Table 2. Academic Achievements of Former LBCC Students and all Community College Transfers Entering the University of California, 1972-73.*

	Long Beach City College			All Community Colleges		
	Eligible	Ineligible	Total	Eligible	Ineligible	Total
Number of entrants	68	26	94	2,644	2,355	4,999
Percent of entrants	72%	28%	100%	53%	47%	100%
Percent "B" average or above	53%	23%	44%	43%	34%	39%
Percent below "C" average	6%	15%	8%	8%	12%	10%
Entering GPA	3.25	2.99	3.17	3.19	3.05	3.12
University GPA	3.05	2.61	2.93	2.85	2.72	2.79
GPA differential	-.20	-.38	-.24	-.34	-.33	-.33

*Does not include those students who withdrew from the University, those who received all "P" grades, those who were graded only on a pass/fail basis (Santa Cruz campus), or those students admitted by special action of the admissions officer.

Table 3. Summary of Scholastic Achievement Demonstrated by L.B.C.C. Transfers in Their First Year at the University of California, 1964-1972.

ELIGIBLE

School Year	No. of Transfers	% Below "C"	% "B" or Above	Univ. GPA	LBCC GPA	GPA Diff.	Percent Eligible
1964-65	43	19%	35%	2.55	2.92	-0.37	56%
1965-66	x	x	x	x	x	x	x
1966-67	56	16%	23%	2.57	3.06	-0.49	67%
1967-68	34	12	27	2.66	2.97	-0.31	55
1968-69	61	4	28	2.75	2.96	-0.21	60
1969-70	49	6	46	2.86	3.01	-0.15	51
1970-71	43	13	41	2.82	3.07	-0.25	43
1971-72	37	10	56	2.92	3.26	-0.34	35
1972-73	68	5	52	3.05	3.25	-0.20	52
1973-74							
1974-75							
1975-76							
1976-77							
1977-78							

TRANSFER

School Year	No. of Transfers	% Below "C"	% "B" or Above	Univ. GPA	LBCC GPA	GPA Diff.
1964-65	30	20%	13%	2.34	2.74	-0.40
1965-66	x	x	x	x	x	x
1966-67	16	4%	2%	2.36	2.72	-0.36
1967-68	25	3	4	2.57	2.69	-0.12
1968-69	22	5	8	2.53	2.85	-0.32
1969-70	28	4	8	2.59	2.85	-0.26
1970-71	28	3	7	2.76	2.91	-0.15
1971-72	53	4	23	2.81	3.00	-0.19
1972-73	26	4	6	2.61	2.99	-0.38
1973-74						
1974-75						
1975-76						
1977-78						

ALL TRANSFERS

School Year	*No. of Transfers	% Below "C"	% "B" or Above	Univ. GPA	LBCC GPA	GPA Diff.
1964-65	77	19%	26%	2.46	2.85	-0.39
1965-66	x	x	x	x	x	x
1966-67	83	18%	20%	2.53	2.98	-0.45
1967-68	98	12	24	2.63	2.89	-0.26
1968-69	102	9	33	2.69	2.93	-0.24
1969-70	96	9	40	2.77	2.95	-0.18
1970-71	100	12	35	2.79	3.01	-0.21
1971-72	105	8	48	2.85	3.10	-0.25
1972-73	132	8	44	2.93	3.17	-0.24
1973-74						
1974-75						
1975-76						
1976-77						
1977-78						

x Data not available.

* Includes those students admitted by "special action", those students graded exclusively on a pass/fail basis, and students who withdrew from all their classes even though students in these categories are excluded from the calculations.

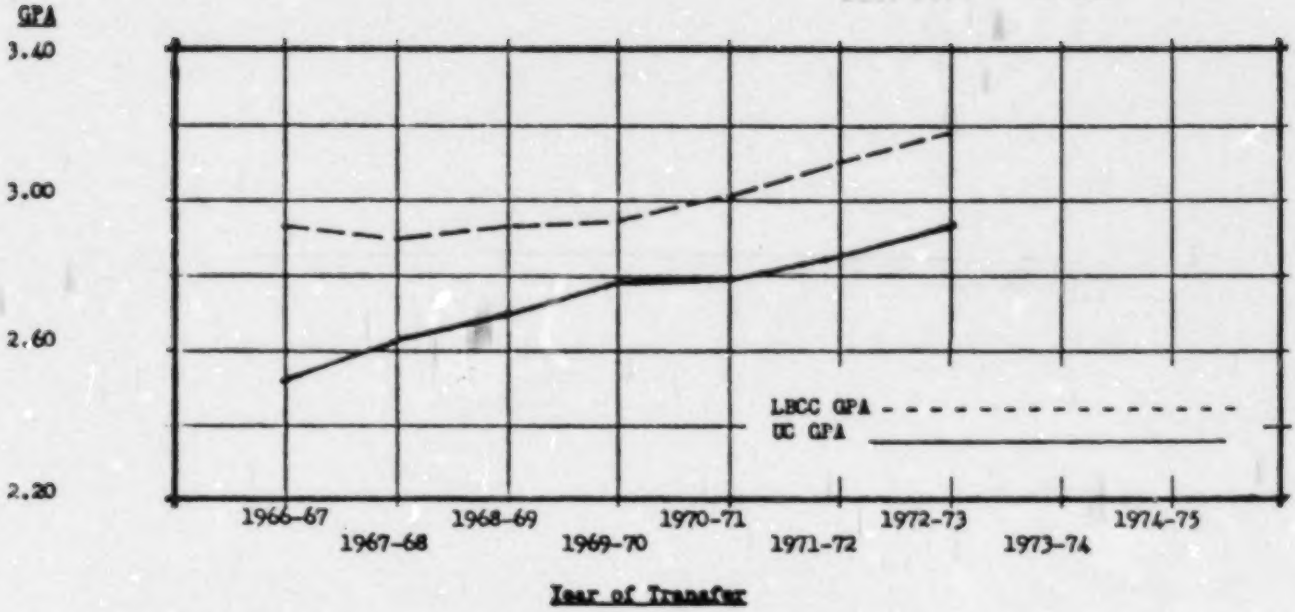

Figure 1. Comparative Grade Point Averages of LBCC Transfers to the University of California: All Transfers.

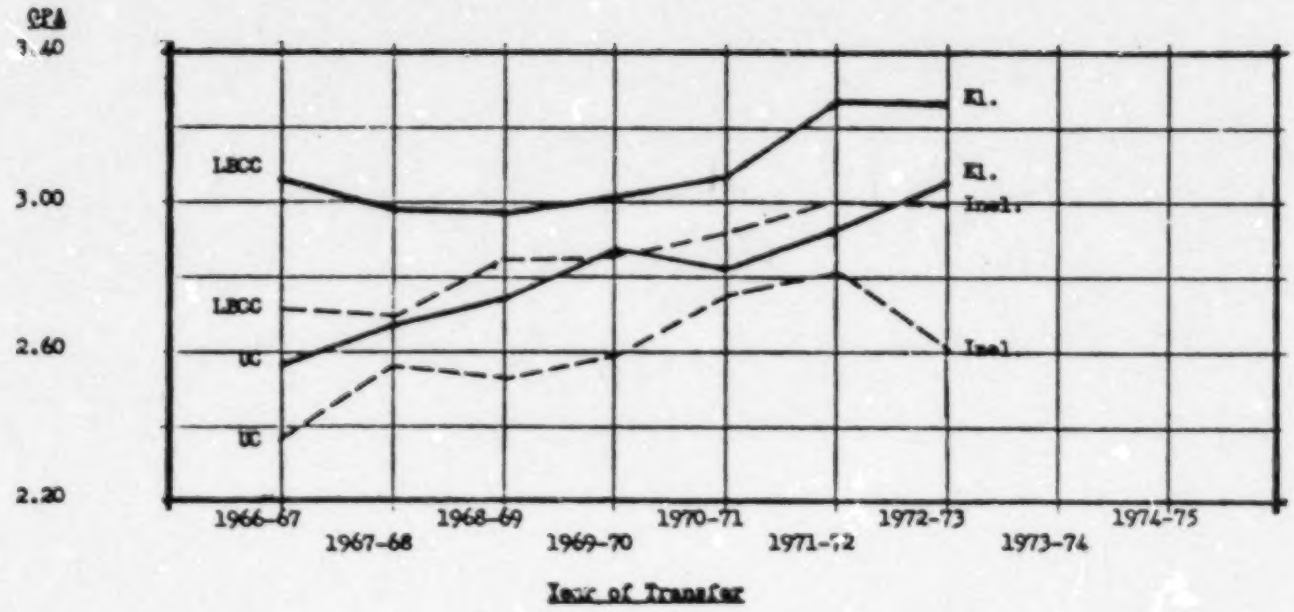

Figure 2. Comparative Grade Point Averages of LBCC Transfers to the University of California: Eligibles and Ineligibles.

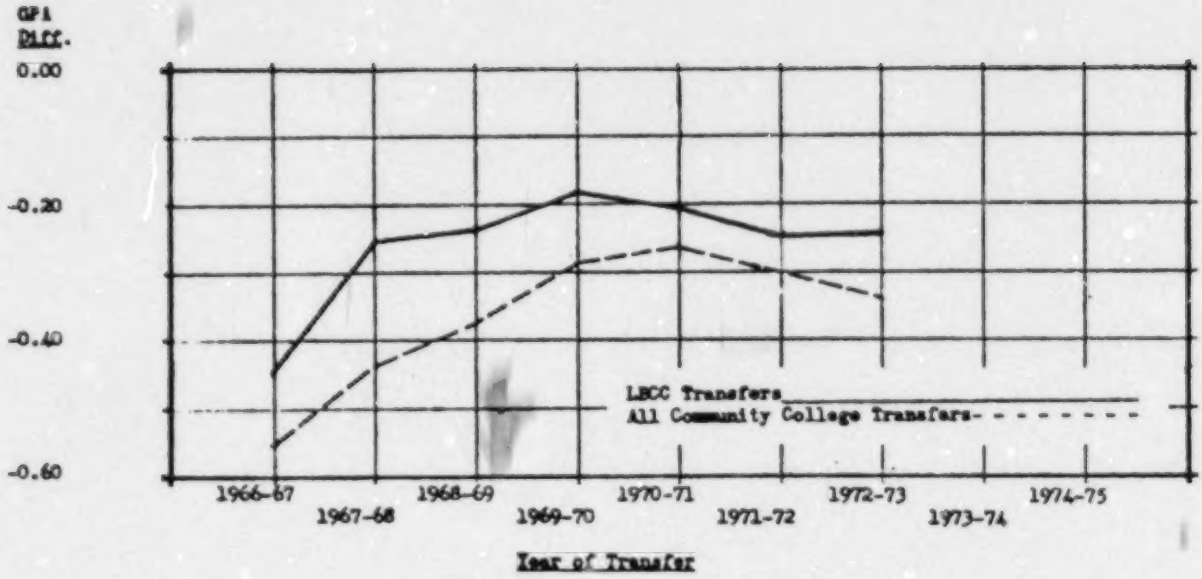

Figure 1. Comparative Differential Between Entering Grade Point Average and First Year University Grade Point Average, All Transfers: LBCC Transfers vs. All California Community College Transfers.

Table A. Grades Earned at the University of California by LBCC Transfers During 1972-73 Academic Year.*

LBCC Division/ UC Subject Area	GRADES A	B	C	D	F	P/?	Inc.	Total	GPA
Business:									
Accounting	1							1	4.00
Business Administration	1	1	2					4	3.25
Computer Science	11	16	2					29	3.10
Creative Arts:									
Art	22	11	6	2		2/1	1	45	3.29
Music	23	7	3	2	1	2/0		37	3.34
Theatre Arts	13	17	16		4	3/2	2	57	2.70
Speech		1	2					3	2.33
History and Social Science:									
Anthropology	8	11	4			3/0		26	3.17
Economics	20	15	6	4	1	1/0		37	2.81
Education	5	5	2			10/0	1	23	3.26
Ethnic Studies	1	2						3	3.33
Geography	2	12	5		4	2/0	3	28	2.35
History	21	43	22	6	2	5/0	6	105	2.80
Humanities	5	3				1/0		9	3.63
Philosophy	8	27	4			7/0	2	40	3.06
Police Science	1	5	4				1	11	2.70
Political Science	7	13	11		1	1/0		33	2.78
Psychology	17	20	13	3		5/0		38	2.96
Sociology	21	28	11		1	9/0	7	77	3.11
Language Arts:									
English	31	47	31	5	3	4/2	3	126	2.84
Foreign Language:									
Foreign Studies		3	2					5	2.60
French	2	2	1			1/0		6	3.20
German	4	10	4		1	2/1		22	2.63
Spanish	4	6	3		1	1/0		15	2.86
Other	10	6	1	1	2	3/0		23	3.05
Math and Science:									
Life Science:									
Biology	43	53	29	5	1	23/0	5	159	3.01
Bacteriology	1	5	2				1	9	2.88
Environmental Science	2	3	5	1		1/0		12	2.55
Physiology	7	2				1/0		10	3.78
Zoology	7	4	4			1/0		16	3.20
Engineering:	10	6	12	3		1/0		32	2.74
Mathematics:	23	41	28	15	8	2/3	2	122	2.49
Physical Science:									
Astronomy			1					1	2.00
Chemistry	24	45	21	5	2	2/0		99	2.87
Geology	1	1	1			2/0		5	3.00
Physics	21	18	12	3	5	2/0		61	2.80
Miscellaneous:									
Architecture			1					1	2.00
Medicine	4	1						5	3.80
Military Science		1						1	3.00
Mine Mining			1					1	2.00
Totals	370 (27%)	481 (35%)	274 (20%)	55 (4%)	37 (3%)	97/9 (7%)	34 (3%)	1357 (100%)	2.93

*Figures represent enrollments of all LBCC Transfers, excluding the Santa Cruz Campus.

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Table 5. Grade Point Averages Earned by LBCC Transfers at the University of California, by Subject Field, 1972-73 (30 or more grades per subject).

Subject Area	No. Grades	GPA
Music	37	3.34
Art	45	3.29
Sociology	77	3.11
Philosophy	40	3.06
Biology	159	3.01
Psychology	98	2.96
Chemistry	99	2.87
English	126	2.84
Economics	37	2.81
History	105	2.80
Physics	61	2.80
Political Science	33	2.78
Engineering	32	2.74
Theatre Arts	37	2.70
Mathematics	122	2.49

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Table 6. Comparative GPA by Major for LBCC Transfers to The University of California in 1972-73: U.C. GPA vs. LBCC GPA.

Major	No. Students*	Major Subject GPA UC	LBCC
Business:			
Business Administration	1	3.00	3.08
Computer Science	6	3.10	3.07
Division Ave.	(7)	3.08	3.07
Creative Arts:			
Art	3	3.10	3.53
Theatre Arts	5	2.75	3.35
Division Ave.	(8)	2.88	3.42
History and Social Science:			
Anthropology	1	3.00	3.04
Economics	5	3.01	3.36
Geography	2	2.58	3.45
History	13	2.95	3.18
Philosophy	1	3.56	3.50
Political Science	3	2.73	2.93
Psychology	9	2.81	3.49
Sociology	8	2.92	3.00
Pre-Law	1	3.00	3.25
Division Ave.	(43)	2.90	3.24
Language Arts:			
English	11	2.87	3.22
Foreign Language (Spanish)	1	2.61	2.71
Division Ave.	12	2.85	3.18
Math and Science:			
Life Science:			
Biology	17	3.04	2.93
Bacteriology	2	2.87	2.89
Environmental Science	3	2.87	3.05
Life Science Ave.	(22)	3.00	2.94
Engineering:	3	2.42	3.04
Mathematics:	8	2.70	3.54
Physical Science:			
Chemistry	2	2.25	3.12
Physics	1	2.50	2.75
Physical Science	1	2.58	3.08
Physical Science Ave.	(4)	2.40	3.02
Division Ave.	(40)	2.84	3.08
Miscellaneous:			
Optometry	1	3.57	3.24
Physical Education	2	3.67	3.39
Public Health	1	3.20	4.00
Undeclared	2	3.47	4.00
Total	113	2.92	3.20

*Excluding students at Santa Cruz, and students who withdrew or received grades of incomplete.